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(54) Title: HYDROXYLASES AND MODULATORS THEREOF

(57) Abstract: A method of identifying, screening, characterising or designing a chemical entity, which mimics or binds to FIH, is described. The method comprises comparing a structural model of FIH with a structural model for said chemical entity, wherein said structural model of FIH is derived from structural factors or structural coordinates determined by subjecting to X-ray diffraction measurements a crystal comprising FIH. Such chemical entities may be used in the treatment of a condition associated with increased or decreased HIF levels or activity.

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